Health IT Standards Committee

A Public Advisory Body on Health Information Technology to the National Coordinator for Health IT

Precision Medicine Task Force

Joint Health IT Committee Meeting

March 10, 2016

Leslie Kelly Hall, Co-Chair
Andy Wiesenthal, Co-Chair

Agenda

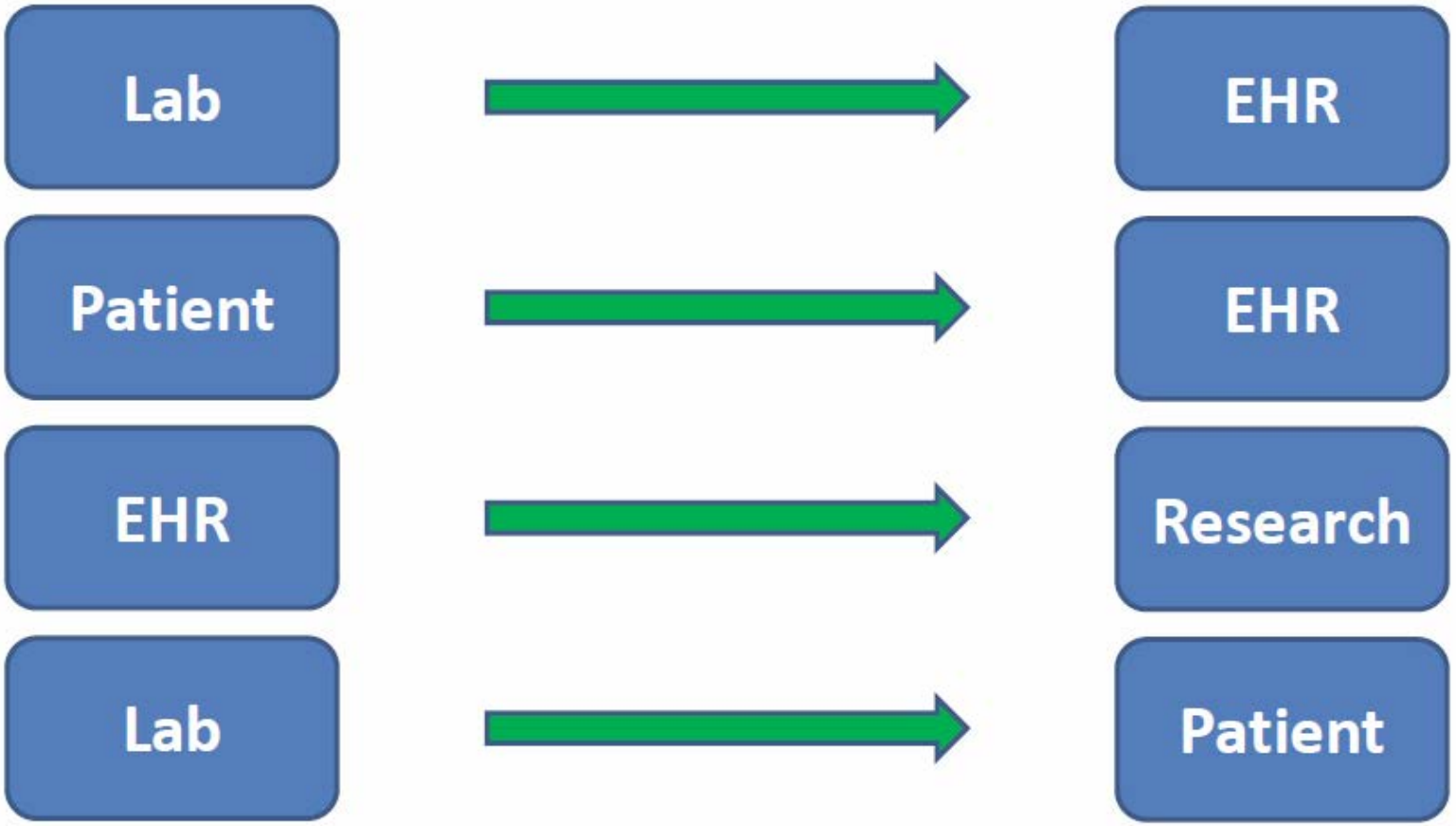
- *Task Force Charge*
- *Interoperability Pathways Critical to PMI*
- *Presenters and Key Topics Covered to Date*
- *Upcoming Work Plan Highlights*
- *Membership*

Task Force Charge

- **Forum on how ONC can support interoperability challenges for federal partners and the broader precision medicine community**
  - Coordinated, aligned approach to PMI health IT standards
  - Federal partners: National Institutes of Health, Food and Drug Administration, National Cancer Institute, Department of Defense and Department of Veterans Affairs
  - Community: Allscripts, athenahealth, Cerner, drchrono, Epic and Mckesson
- **Collaborate with industry and pilot the use of standards**
  - Enable data donation, patient access through APIs with standards (e.g., FHIR, OAuth 2.0)
- **Identify standards for uses cases to support interoperability**
  - Focus on data types critical to PMI
  - Prioritize piloting the exchange of those data

Interoperability Pathways Critical to PMI

Minimum data set, Standards, APIs, and recommendations to facilitate interoperability



Presenters and Key Topics Covered to Date

Presenters	Topics
National Cancer Institute (NCI)	**PMI Progress and Status - sample challenges:** • Investigator training • Patient consent • Data exchange outside EHRs
Food and Drug Administration (FDA)	**Precision FDA** • Big data key in sequencing and genomic tests for PM and PMI • Challenges to validation of genomic tests • Requires new regulatory policies and new technical and scientific approaches use these tests.
Office of the National Coordinator for Health IT (ONC)	**Computable Privacy** • ONC progress towards standards to capture and communicate consumer/patient participation choices
National Institutes of Health (NIH)	**PMI and Sync for Science pilots** • Key technical issues pilots will explore (e.g., authentication, consent, data transfer with provider participants)

Sample Work Plan Highlights

- **Explore Progress of Current Initiatives (Task Force convened February 2016)**
  - Computable Consent
  - Sync for Science
  - PMI Oncology
  - Precision FDA
  - VA Million Veterans and DoD
  - Other related efforts from private industry and academia

- **Identify Needs and Opportunities to Advance PMI Interoperability**
  - Lab data interoperability and patient access
  - Patient rights and ownership of genomic pattern data
  - Demographic data – how to improve structured data capture and transfer
  - What specific activities or pilots ONC lead to support / advance progress?

- **Recommendations to HITSC June 2016**

Precision Medicine Task Force Members

	Member	Organization
Co-Chairs	Leslie Kelly Hall	Healthwise
	Andrew M. Wiesenthal	Deloitte Consulting, LLP
Members	Gil Alterovitz	Harvard Medical School
	Dixie Baker	Martin, Blanck, and Associates
	Mary Barton	National Committee for Quality Assurance (NCQA)
	Steven Keating	MIT Media Lab and Mechanical Engineering
	David McCallie, Jr.	Cerner Corporation
	Matthew Might	Harvard University
	Andrey Ostrovsky	Care at Hand
	Ketan Paranjape	Intel
	Eric Rose	Intelligent Medical Objects
	Joyce Sensmeier	Healthcare Information and Management Systems Society
Federal Ex Officio	James Breeling	Veterans Health Administration (VHA)
	Christina Heide	Department of Health and Human Services / Office for Civil Rights
	Betsy Humphreys	National Library of Medicine (NLM)
	Mitra Rocca	Food and Drug Administration (FDA)
	Jon White	ONC
ONC Staff	Maya Uppaluru	ONC – Federal Staff Lead

Q & A